

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	46	(US-20030030179-\$ or US-20060003041-\$ or US-20020125597-\$).did. or (US-6524089-\$ or US-4657496-\$ or US-3894823-\$ or US-5106284-\$ or US-6805543-\$ or US-3976226-\$ or US-6261075-\$ or US-6440350-\$ or US-5094603-\$ or US-3551951-\$ or US-5980226-\$ or US-3241503-\$ or US-5143733-\$ or US-3921856-\$ or US-4484883-\$ or US-4889477-\$ or US-3339240-\$ or US-5620713-\$ or US-3884605-\$ or US-4061461-\$ or US-5131830-\$ or US-4376625-\$ or US-5151278-\$ or US-5030077-\$ or US-5544403-\$ or US-4657497-\$). did. or (US-4495022-\$ or US-3679338-\$ or US-4149839-\$ or US-4014966-\$ or US-6062841-\$ or US-5942257-\$ or US-6350401-\$ or US-5935616-\$ or US-5935615-\$ or US-5141695-\$ or US-6270711-\$ or US-6135751-\$ or US-6030198-\$ or US-6074191-\$ or US-5894023-\$ or US-5891381-\$ or US-5545027-\$). did.	US-PGPUB; USPAT	OR	OFF	2006/09/12 16:53
L2	1490435	diameter	US-PGPUB; USPAT	OR	ON	2006/09/12 16:54
L3	27	l1 and l2	US-PGPUB; USPAT	OR	ON	2006/09/12 17:05
L4	356313	contaminat\$3	US-PGPUB; USPAT	OR	ON	2006/09/12 17:06
L5	4070	prevent adj mixing	US-PGPUB; USPAT	OR	ON	2006/09/12 17:06
L6	359270	l4 or l5	US-PGPUB; USPAT	OR	ON	2006/09/12 17:06
L7	912	425/130.ccls.	US-PGPUB; USPAT	OR	OFF	2006/09/12 17:06
L8	57	l6 and L7	US-PGPUB; USPAT	OR	ON	2006/09/12 17:11
L9	3197	diameter with l6	US-PGPUB; USPAT	OR	ON	2006/09/12 17:07
L10	0	l7 and l9	US-PGPUB; USPAT	OR	ON	2006/09/12 17:07
L11	32	l2 and l8	US-PGPUB; USPAT	OR	ON	2006/09/12 17:11

## EAST Search History

L12	285	l2 and l7	US-PGPUB; USPAT	OR	ON	2006/09/12 17:12
L13	4692484	inch or millimeter or mm or in	US-PGPUB; USPAT	OR	ON	2006/09/12 17:13
L14	284	l12 and l13	US-PGPUB; USPAT	OR	ON	2006/09/12 17:13
S1	898	425/133.1,462.ccls.	USPAT	OR	OFF	2006/09/08 16:47
S2	111359	injection adj mold\$3	USPAT	OR	OFF	2006/09/07 19:10
S3	37	S1 and S2	USPAT	OR	OFF	2006/09/07 19:11
S4	18	("3894823"   "5028226"   "5131830"   "5143681"   "5156857").PN. OR ("5914138").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/09/07 19:29
S5	1567	425/130,191.ccls.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/09/08 15:22
S6	1161	425/130.ccls.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/09/07 19:34
S7	912	425/130.ccls.	US-PGPUB; USPAT	OR	OFF	2006/09/08 07:25
S8	17	("3902665"   "3976226"   "4117955"   "4376625"   "4470936"   "4474333"   "4582224"   "4717324"   "4775308"   "4808101"   "4863665"   "4931234"   "5030076"   "5094603"   "5131830"   "5143733"   "5200207").PN. OR ("6524089").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/09/07 19:51
S9	641	425/133.1.ccls.	US-PGPUB; USPAT	OR	OFF	2006/09/08 07:25
S10	29	("3266093"   "3321805"   "3546743").PN. OR ("4061461"). URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/09/08 14:34
S11	29	("3339240"   "3550203"   "3733156"   "3793415").PN. OR ("3921856"). URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/09/08 14:39
S12	34	("3921856"   "4078875"   "4117955").PN. OR ("4376625"). URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/09/08 14:42
S13	17	("3902665"   "3976226"   "4117955"   "4376625"   "4470936"   "4474333"   "4582224"   "4717324"   "4775308"   "4808101"   "4863665"   "4931234"   "5030076"   "5094603"   "5131830"   "5143733"   "5200207").PN. OR ("6524089").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/09/08 14:45

## EAST Search History

S14	23	("3894823"   "4373886"   "4657496"   "4688622"   "4717324").PN. OR ("5094603").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/09/08 14:48
S15	18	("1605394"   "3227103"   "3233910"   "3248122").PN. OR ("3679338").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/09/08 15:02
S16	33	("3241503").URPN.	USPAT	OR	OFF	2006/09/08 15:13
S17	238	425/191.ccls.	US-PGPUB; USPAT	OR	OFF	2006/09/08 15:22
S18	641	425/133.1.ccls.	US-PGPUB; USPAT	OR	OFF	2006/09/08 15:23
S19	224	S17 not S18	US-PGPUB; USPAT	OR	OFF	2006/09/08 16:21
S20	1	("6676541").PN.	USPAT; USOCR	OR	OFF	2006/09/08 16:22
S21	31	("0727202"   "20020019268"   "20020042308"   "2258333"   "3262272"   "3454280"   "3819768"   "4431193"   "4919434"   "5314187"   "5334673"   "5484870"   "5688191"   "5783293"   "5824746"   "5885172"   "5971870"   "6025442"   "6159110"   "6190268"   "6210294"   "6416425"   "6419595"   "6461251"   "6468168"   "6527652").PN. OR ("6676541").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/09/08 16:22
S22	506	425/462.ccls.	US-PGPUB; USPAT	OR	OFF	2006/09/08 16:48
S23	912	425/130.ccls.	US-PGPUB; USPAT	OR	OFF	2006/09/08 16:48
S24	491	S22 not S23	US-PGPUB; USPAT	OR	OFF	2006/09/08 16:48
S25	317	S24 not S18	US-PGPUB; USPAT	OR	OFF	2006/09/08 16:49
S26	9	("3551951").URPN.	USPAT	OR	OFF	2006/09/08 16:54
S27	27	("1849431"   "3518019"   "3538208"   "3545043"   "3551951"   "3778495"   "3899276"   "3933965"   "4022603"   "4076428"   "4279857").PN. OR ("4362683").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/09/08 16:56
S28	34	("1182199"   "1768671"   "2987766"   "3074108"   "3583033"   "3666390").PN. OR ("3899276").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/09/08 16:59
S29	6	("3228356").URPN.	USPAT	OR	OFF	2006/09/08 17:08

## EAST Search History

S30	59	("2018751"   "2106009"   "2122982"   "2794746"   "2816837"   "3018182"   "3228356"   "3314381"   "3727308"   "3760979"   "3884605"   "4260640"   "4340994"   "4460611"   "4507326"   "4643084"   "4647467"   "4648821"   "4783290"   "4954061"   "5120554"   "5146844"   "5208059"   "5223276"   "5304055").PN. OR ("5620713").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/09/08 17:15
S31	9754	nozzle adj body	US-PGPUB; USPAT; USOCR	OR	ON	2006/09/08 17:16
S32	4	S31 and S17	US-PGPUB; USPAT; USOCR	OR	ON	2006/09/08 17:16
S33	0	("2003/0030179").URPN.	USPAT	OR	OFF	2006/09/11 15:54
S34	0	("2003/0030179").URPN.	USPAT	OR	OFF	2006/09/11 15:56
S35	12	("4014966" "4315724" "4775308" "5112212" "5143733" "5667819" "5891381" "6062840" "6231798" "6276914" "6440350" "6524089").PN.	USPAT	OR	OFF	2006/09/11 15:56
S36	14	("4657496"   "4749554"   "4808101"   "4863665"   "4895504"   "5032341"   "5049345"   "5098274"   "5143733"   "5935615"   "5935616"   "5942257"   "5972258"   "6062841").PN. OR ("6274075").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/09/11 16:20
S37	8	("4717324"   "4934915"   "4990301"   "5131830"   "5141695").PN. OR ("6062841").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/09/11 16:49
S38	7	("5223275"   "5374178").PN. OR ("5935616").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/09/11 16:59
S39	17	("4717324"   "4749554"   "4808101"   "4895504"   "4934915"   "4990301"   "5032341"   "5049345"   "5098274"   "5131830"   "5141695"   "5914138"   "5935615"   "5935616"   "5972258").PN. OR ("6350401").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/09/11 17:02
S40	6	("4717324"   "5374178").PN. OR ("5935615").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/09/11 17:10

## EAST Search History

S41	17	("4717324"   "4749554"   "4808101"   "4895504"   "4934915"   "4990301"   "5032341"   "5049345"   "5098274"   "5131830"   "5141695"   "5914138"   "5935615"   "5935616"   "5972258").PN. OR ("6350401").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/09/11 17:12
S42	6	("4657496"   "4919606").PN. OR ("5942257").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/09/11 18:05
S43	8	("4717324"   "4789318"   "4808101"   "4957682"   "4990301"   "5374178"   "5914318").PN. OR ("6270711").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/09/11 18:08
S44	3	("4932858"   "5094603"   "5795600").PN. OR ("6135751").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/09/11 18:11
S45	23	("3894823"   "4373886"   "4657496"   "4688622"   "4717324").PN. OR ("5094603").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/09/11 18:15
S46	7	("4712990"   "4932858"   "5094603"   "5223275"   "5374178"   "5795600").PN. OR ("6030198").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/09/11 18:28
S47	23	("3894823"   "4373886"   "4657496"   "4688622"   "4717324").PN. OR ("5094603").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/09/11 18:29
S48	3	("4657496").PN. OR ("6074191").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/09/11 18:37
S49	69062	annular adj groove	USPAT	OR	ON	2006/09/12 15:30
S50	912	425/130.ccls.	US-PGPUB; USPAT	OR	OFF	2006/09/12 15:30
S51	27	S49 and S50	USPAT	OR	ON	2006/09/12 15:30